

# U.S. Department of Energy Sustainability Performance Office DOE Sustainability SPOTlight

Issue 35 August 2014

## SUSTAINABILITY ANNOUNCEMENTS








### OMB and CEQ Release Federal Agency Sustainability Scorecards

On July 25, 2014, the Office of Management and Budget (OMB) and the White House Council for Environmental Quality (CEQ) released the annual Sustainability/Energy performance scorecard. The scorecards provide a snapshot of federal agency progress in seven major goal areas, including GHG emissions, energy intensity, and green buildings.

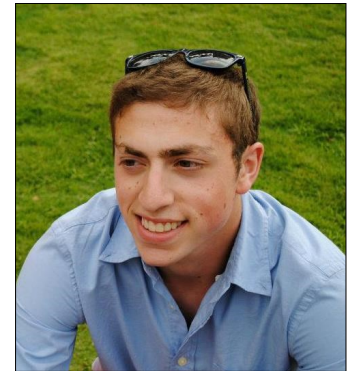
The federal government – the largest energy consumer in the U.S. economy – reduced greenhouse gas emissions by 17 percent since 2008, the equivalent of permanently taking 1.8 million cars off the road. In addition, 9 percent of federal government electricity was from renewable sources in 2013.

Since 2008, DOE reduced Scope 1 & 2 (direct) greenhouse gas emissions by over 34 percent and continues to make strides in achieving all the Department's sustainability goals. DOE's FY 2013 scorecard can be viewed at <http://energy.gov/sites/prod/files/2014/07/f17/2013-doe-scorecard.pdf>.

For more information on the OMB Scorecard, visit <http://www.whitehouse.gov/blog/2014/07/25/federal-agencies-leading-example-reduce-energy-use-and-save-money-taxpayers>

Department of Energy		January 2014 OMB Scorecard on Sustainability/Energy
	Scope 1&2 GHG Emissions Reduction Target For Scope 1&2 GHG Reduction Target of 30% by 2020 91% reduction in 2013 and on track	Score: GREEN
	Scope 3 GHG Emissions Reduction Target For Scope 3 GHG Reduction Target of 10% by 2020 94% reduction in 2013 and on track	Score: GREEN
	Reduction in Energy Intensity Reduction in energy intensity in grant subject facilities compared with 2002 64% and on track for 80% by 2015	Score: GREEN
	Use of Renewable Energy Use of renewable energy as a percent of facility electricity use Total of 17.7% from renewable electricity sources including at least 3.3% from new sources (thermal, mechanical, or diesel)	Score: GREEN
	Reduction in Potable Water Intensity Reduction in potable water intensity compared with 2002 10% and on track for 20% by 2015	Score: GREEN
	Reduction in Fluoride Intensity Reduction in fluoride intensity compared with 2002 10% and on track for 20% by 2015	Score: GREEN
	Green Buildings Sustainable green buildings 10% of buildings sustainable	Score: RED

## SUSTAINABILITY SUPERSTAR



The SPO's Matt Schneider is leaving DOE to attend the University of Virginia School of Law!

Matt started out as a summer intern in 2011 and joined the office full time after graduating from the University of Michigan in the winter of 2013. During his time with SPO, Matt championed several of the Department's climate change adaptation efforts, and helped develop DOE's 2012 and 2014 Climate Change Adaptation Plans.

Best of luck at law school and a big thank you for all your efforts in support of SPO and DOE Sustainability!

**Send us your champion!**



Nominations are currently being accepted for the 2014 DOE Sustainability Awards. The DOE Sustainability Awards aim to recognize deserving teams and individuals who advance the Department's sustainability mission. Nominations are being accepted through the [Sustainability Awards Database](http://sustainability.energy.gov) through August 15, 2014. Award winners will be recognized in the Fall. For more information, visit <http://sustainability.energy.gov>. If you need technical assistance or have questions, contact the SPO at [sustainability@hq.doe.gov](mailto:sustainability@hq.doe.gov).

## SUCCESS STORIES

### Lawrence Berkeley National Laboratory's New FLEXLAB to Simulate Building Efficiency



LBNL's new FLEXLAB

On July 10, the Lawrence Berkeley National Laboratory (LBNL) cut the ribbon at its new FLEXLAB. The [FLEXLAB](http://flexlab.lbl.gov/) serves as the one of most advanced building efficiency simulators in the world. The entire lab sits on a giant turntable to simulate the angle's of the sun and allows users to test buildings systems individually or as integrated systems. Users can test HVAC, lighting, windows, building envelop, control systems, and plug loads. FLEXLAB will allow users to test alternatives and perform cost-benefit analyses, ensuring future construction and retrofits are efficient as possible.

For learn more about FLEXLAB, visit <http://flexlab.lbl.gov/>.

**Stay Tuned! FY 2014 DOE Sustainability Reporting Guidance Forthcoming** – The SPO will be issuing guidance for FY 2014 sustainability reporting over the next few weeks. Similar to previous years, the SPO will issue guidance for Site Sustainability Plans (SSPs) and sustainability data reporting to support the Annual Energy Report, the Department's Greenhouse Gas Inventory, and other related reporting. For more information, please contact the SPO at [sustainability@hq.doe.gov](mailto:sustainability@hq.doe.gov).

## UPCOMING EVENTS AND MILESTONES



(Click to view SPO Calendar) ↑

### COURSES, WEBINARS, AND EVENTS

Aug 13: [High Performance Enclosure Strategies: Part II New Construction](#)

Aug 14: [Guiding Principles in Portfolio Manager](#)

Aug 15: DOE Sustainability Award Nominations Due

Aug 20: EFCOG ESSG/SPO Monthly Teleconference: Electronic Stewardship and Sustainable Acquisition

Aug 21: [Introduction in UESC](#)

Aug 26: [Portfolio Manager 101](#)

Aug 27: [Portfolio Manager 201](#)

## ON-DEMAND TRAINING

### Certifications

[GSA-Sponsored LEED Training Certification for Federal Employees](#)

### Financing

[ESPCs for Small Sites](#)

[UESCs and Energy Project Funds](#)

[Energy Savings Performance Contracting](#)

[Measurement and Verification in ESPCs](#)

### Buildings

[Commissioning for Federal Facilities](#)

[Operations, Maintenance, and Commissioning](#)

[Implementing Deep Retrofits](#)

[Building Automation Systems for Existing Federal Facilities](#)

### Water

[Water Efficiency Planning and Implementation](#)

[Stormwater Management & Water Conservation](#)

## SUSTAINABILITY NEWS

### EPA Launches Green Infrastructure Collaborative

The U.S. Environmental Protection Agency (EPA) recently launched a Green Infrastructure Collaborative with the support of six other government agencies, to include DOE. EPA also launched new web content to demonstrate how green infrastructure can be used as an important tool for building community resilience to climate change impacts. The tool includes information on adapting to increases in heavy rainfall and the urban heat island effect.

For more information visit,

[http://water.epa.gov/infrastructure/greeninfrastructure/climate\\_res.cfm](http://water.epa.gov/infrastructure/greeninfrastructure/climate_res.cfm)

### DOE Leads Federal Government in Green Power Usage

EPA's Green Power Partnership recently released its green power rankings through the 3rd Quarter of FY 2014. DOE ranked 1st in the federal government in green power usage, 10th overall (public and private sector), and 3rd overall for on-site green power generation.

For more information visit, <http://epa.gov/greenpower/toplists/top100.htm>



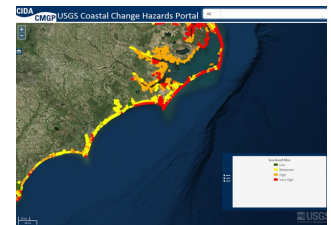
## SUSTAINABILITY RESOURCES

### USGS Coastal Hazards Mapping Tool Released

The U.S. Geological Survey's (USGS) new *Coastal Change Hazards Portal* provides detailed information on coastal hazards along America's coasts. The tool allows users to select locations and view potential impacts of extreme storms, historic shoreline changes, and coastal vulnerability to sea-level rise.

To access the tool, visit

<http://marine.usgs.gov/coastalchangehazardsportal/>.



USGS's Coastal Change Hazards Portal

### DOE Releases Report on Water-Energy Nexus

In June, DOE released a report examining the interaction between water and energy and challenges at the local, regional and national scales. The report, [The Water-Energy Nexus: Challenges and Opportunities](#), notes that water scarcity, variability, and uncertainty are becoming more prevalent, and may potentially lead to vulnerabilities within the U.S. energy system. To learn more on the report, visit <http://www.energy.gov/articles/ensuring-resiliency-our-future-water-and-energy-systems>.

## SUSTAINABILITY AWARDS

### 2015 Climate Leadership Awards Now Accepting Nominations

EPA's Climate Leadership Awards is a national awards program that recognizes and incentivizes exemplary corporate, organizational, and individual leadership in response to climate change. Marking its 4th year, the 2015 Awards will honor and highlight leadership in addressing climate change by reducing carbon pollution and implementing adaptation planning initiatives. Nominations for the 2015 awards will be accepted through September 12, 2014.

For more information visit, <http://www.epa.gov/climateleadership/awards/index.html>.



Check out CEQ's latest GreenGov Leader newsletter:

<https://www.fedcenter.gov/assistance/newsletters/greengovleader/>